



**NATIONAL
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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agrl Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: Kentucky experienced the hottest week so far this year, with temperatures averaging 82 degrees. High humidity levels made the heat even worse with the heat indices going above 100 and even 110 in some areas. Both crops and livestock are starting to be stressed from the high heat and humidity. Rainfall for the State totaled 0.69 inches of rainfall which was 0.27 inches below normal. **Topsoil moisture** was rated 3 percent very short, 27 percent short, 62 percent adequate and 8 percent surplus. **Subsoil moisture** was rated 2 very short, 17 percent short, 75 percent adequate and 6 percent surplus. Days suitable for fieldwork averaged 5.8 out of a possible 7. Major farming activities included baling hay, clipping pastures, and topping tobacco.

ROW CROPS: **Corn** silking was 65 percent complete as of Sunday July 24, compared to 84 percent for the previous year and 81 percent for the five year average. Corn milking was 35 percent complete by the end of the week, compared with 57 percent last year and the five year average of 44 percent. Corn dough was 14 percent, compared with 28 percent last year and the five year average of 18 percent. Corn condition was rated 2 percent poor, 26 percent fair, 45 percent good, and 27 percent excellent. **Soybeans** blooming was 46 percent complete, behind last year's 74 percent and the five year average of 56 percent. Soybeans setting pods was 13 percent complete, compared to last year's 31 percent and the five year average of 22 percent. The soybean conditions were rated as 2 percent poor, 26 percent fair, 52 percent good, and 20 percent excellent.

TOBACCO: Tobacco set condition was 1 percent very poor, 4 percent poor, 26 percent fair, 50 percent good, and 19 percent excellent. Dark tobacco blooming was 65 percent, behind last year's 69 percent, but ahead of the five year average of 53 percent. Dark tobacco topped was 35 percent complete compared to last year's 44 percent and 40 percent for the five year average. Burley tobacco

blooming was 28 percent, behind last year's 49 percent and five year average of 36 percent. Burley tobacco blooming was 10 percent, compared to 25 percent last year and 18 percent for the five year average. Disease pressure is being reported in some tobacco fields.

OTHER CROPS AND PASTURE: **Pasture** conditions declined slightly due to the excessive heat with 2 percent reported as very poor, 6 percent poor, 28 percent fair, 52 percent good, and 12 percent excellent. **Hay** condition was 1 percent very poor, 4 percent poor, 30 percent fair, 53 percent good, and 12 percent excellent.

CROP PROGRESS for week ending 07/24/11

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Silking	65	45	84	81
Corn Milked	35	11	57	44
Corn Dough	14	NA	28	18
Soybeans Blooming	46	30	74	56
Soybeans Setting Pods	13	NA	31	22
Burley Tobacco Blooming	28	14	49	36
Burley Tobacco Topped	10	NA	25	18
Dark Tobacco Blooming	65	34	69	53
Dark Tobacco Topped	35	NA	44	40

SOIL MOISTURE for week ending 07/24/11

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	3	27	62	8
Subsoil	2	17	75	6

CROP CONDITIONS for week ending 07/24/11

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	0	2	26	45	27
Soybeans	0	2	26	52	20
Pasture	2	6	28	52	12
Hay Crops	1	4	30	53	12
Tobacco Set	1	4	26	50	19

KENTUCKY WEATHER SUMMARY, JULY 18 - 24, 2011:

Above Normal Temperature and Below Normal Rainfall:

This past week was the 3rd week in a row with above normal temperatures. It was also the hottest week thus far in the Commonwealth, with many locations topping out above 90 everyday. High humidity levels only made conditions worse, having caused heat indices to go above 100 and even 110 in some locations. Rainfall was scattered this past week, which caused stations to either record little to no rainfall to a couple of inches.

Temperatures for the period averaged 82 degrees across the state which was 5 degrees warmer than normal and 4 degrees warmer than the previous period. High temperatures averaged from 93 in the West to 89 in the East. Departure from normal high temperatures ranged from 4 degrees warmer than normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 74 degrees in the West to 71 degrees in the East. Departure from normal low temperature ranged from 6 degrees warmer than normal in the West to 7 degrees warmer than normal in the East. The extreme high temperature for the period was 100 degrees at Poplar Bluff and the extreme low was 66 degrees at Paintsville.

Rainfall for the period totaled 0.69 inches statewide which was 0.27 inches below normal and 72% of normal. Rainfall totals by climate division, West 0.46 inches, Central 0.48 inches, Bluegrass 0.59 inches and East 1.22 inches, which was -0.45, -0.50, -0.35 and 0.22 inches respectively from normal. By station, rainfall totals ranged from a low of 0.00 inches at Calhoun to a high of 3.56 inches at Big Sandy.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 24, 7:00 P.M.

Weather Station	Rainfall			Dev. From		Air Temperature				Growing Degree Days			
	=====			=====		=====				=====			
	Since Last	April 1	Last Four Wks.	Norm Since Apr 1	Norm Last 4 Wks.	Dev.			Since Last	Dev. Apr 1	Since Apr 1		
	Week					Hi	Lo	Avg.	Norm	Week			
=====													
	(Inches)					(Degrees F)							
Bardstown	2.18	34.32	4.30	+18.44	-0.06	95	71	82.3	+6	202	2208	+207	
Berea	0.41	22.89	3.55	+6.45	-0.40	93	67	81.0	+6	200	2078	+22	
Bowling Gree	0.15	27.17	3.87	+10.07	-0.36	97	73	84.9	+9	212	2417	+331	
Bristol	2.47	16.80	3.29	+2.72	-0.53	99	74	85.6	+10	217	2278	+392	
Buckhorn Lak	0.58	28.09	4.50	+12.33	+0.20	91	67	79.6	+4	197	2017	+215	
Cape Girarde	0.01	35.02	2.01	+19.19	-1.19	97	72	84.6	+7	211	2371	+176	
Campbellsvil	0.25	24.22	1.66	+5.97	-3.05	93	71	81.5	+5	202	2153	+127	
Covington	0.04	30.60	1.34	+15.45	-2.45	97	71	84.6	+9	209	2072	+222	
Cumberland G	1.20	22.83	2.70	+5.60	-1.95	92	68	79.9	+4	196	2190	+334	
Dix Dam	1.10	24.88	3.66	+8.41	-0.67	93	70	82.4	+7	206	2146	+145	
Evansville	0.07	32.87	6.76	+17.48	+3.17	99	74	85.6	+8	217	2306	+226	
Glasgow	0.27	23.90	3.78	+5.58	-0.94	93	71	82.1	+6	206	2278	+282	
Grayson	2.58	30.74	9.09	+15.25	+4.82	92	69	81.0	+6	199	2019	+278	
Hardinsburg	0.44	35.03	4.62	+18.37	+0.42	93	72	82.8	+7	208	2201	+115	
Henderson	0.03	30.30	5.28	+14.53	+1.61	93	71	82.2	+4	205	2284	+174	
Huntington	1.26	23.44	1.73	+8.06	-2.58	99	74	85.6	+10	217	2245	+365	
Jackson	0.39	28.01	5.68	+11.55	+1.11	91	68	79.6	+4	197	2140	+338	
Lexington	0.17	26.23	4.22	+10.35	-0.14	94	70	82.4	+7	207	2098	+218	
London	1.26	25.66	4.29	+10.17	+0.12	92	68	79.9	+4	196	2141	+285	
Louisville	0.82	31.27	2.52	+15.47	-1.43	96	74	86.4	+10	223	2444	+364	
Mayfield	0.71	27.79	2.24	+10.88	-1.69	94	69	81.1	+3	197	2363	+216	
Nashville	0.65	19.46	4.20	+3.57	+0.65	99	74	85.6	+9	217	2370	+145	
Nolin Lake	0.13	33.20	4.27	+15.36	-0.16	93	71	82.1	+6	205	2190	+273	
Paducah	2.09	35.41	4.23	+18.17	+0.45	96	72	83.9	+6	208	2404	+233	
Princeton	1.55	30.95	3.93	+14.02	+0.10	94	71	82.9	+5	205	2322	+182	
Quicksand	0.82	26.28	5.24	+9.82	+0.67	92	68	80.3	+5	198	2124	+322	
Somerset	0.70	23.05	2.85	+5.60	-1.50	92	71	80.4	+5	196	2091	+144	
Spindletop	0.29	26.58	5.21	+10.70	+0.85	94	71	83.1	+8	210	2091	+211	
Williamstown	0.44	27.75	2.22	+11.91	-1.79	93	70	82.0	+7	205	2032	+152	

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>